

WHAT IS CLAIMED IS:

1. A shredding apparatus, comprising:

a channel for a paper to enter said shredding apparatus;

a shredding mechanism for cutting said paper when said paper passes
5 through said channel;

a power source for providing a motive power for said shredding
mechanism;

⁴¹¹
a trigger disposed in said channel for arising a move in response to a
sustaining force of said paper against said trigger;

⁴¹³
10 a delay unit driven by said power source for delaying said sustaining
force for a particular time;

⁴¹⁰
a lever connected between said trigger and said delay unit and
transmitted by said trigger and said delay unit; and

⁴¹²
15 a switch electrically connected to said power source and optionally
connected to a first portion of said lever depending on a moving status
of said lever to be switched between an ON condition and an OFF
condition, wherein a distance between said first portion of said lever
and said trigger is smaller than a distance between said delay unit and
said trigger.

20 2. The shredding apparatus according to claim 1 wherein said power
source is an electric motor.

3. The shredding apparatus according to claim 1 wherein said shredding
mechanism comprises:

a first shaft carried to rotate by said power source;

25 a second shaft disposed with said first shaft in parallel and carried to
rotate by said power source;

a plurality of cutters staggeredly sleeved and fixed on said first and

second shafts and transmitted to rotate by said first and second shaft, respectively, for cutting said paper when said paper passes through said channel, wherein a space is existent between every two adjacent cutters on the same shaft; and

5 a plurality of guiding plates, each of which is disposed in one said space, and movably sleeved on one of said first and said second shafts.

4. The shredding apparatus according to claim 1 wherein said channel includes an entrance end for putting said paper thereinto.

5. The shredding apparatus according to claim 4 wherein said trigger
10 includes a protruding element fixed on said lever, disposed at said entrance of said channel, and against by said paper when said paper passes through said channel to carry said lever to rotate.

6. The shredding apparatus according to claim 1 wherein said delay unit comprises:

15 a delay gear set connected to said power source and carried by said power source to rotate; and

a delay cam connected to said delay gear set and said lever and carried by said delay gear set to rotate for delaying said sustaining force for said particular time.

20 7. The shredding apparatus according to claim 1 wherein said first portion of said lever is a protrusion optionally connected with said switch for switching said switch between said ON condition and OFF condition depending on a connection status between said protrusion and said switch.

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